EZO Miniature flanged ball bearing stainless steel closure on both sides

Miniature ball bearings are single-row deep groove ball bearings with a bore diameter of up to 10 mm. Single-row deep groove ball bearings are extremely versatile. They are simple in design, suitable for high to very high speeds, very robust and thus low-maintenance. Thanks to the deep grooves and the close contact between the grooves and the balls, deep groove ball bearings can tolerate both radial loads and axial loads in both directions, even at high speeds. Precision miniature ball bearings are particularly suitable for small electric motors and gearboxes, office machinery, medical equipment, mechatronic applications etc. Miniature ball bearings with a flange can simplify the installation technically, as the bearings can be inserted into the housing in the axial direction. This saves time and space. Both open (unsealed) and sealed versions are available. All bearings are also available in stainless steel (supplement VA). The load rating of a VA bearing is approximately 15% lower than that of the equivalent bearing made from chrome steel. Bearings sealed on both sides have lifetime lubrication and therefore need not be regreased during use. They have been filled with the exact quantity of high-quality lubricant under controlled conditions.

Bearing with cover plates 2Z:

The cover plates, manufactured from sheet steel, are primarily suited to applications where the i-race of the bearing rotates. There is a sealing gap between the outer edge of the plate and the i-race. The clearance between the cover plate and the i-race is designed in such a way that no contact can be made, even if the bearing exhibits a large amount of radial play. To prevent corrosion, the cover plates are galvanized.

Bearing with low-friction seals 2RU, LLB:

These non-contact seals are made from oil-resistant and wear-resistant nitrile butadiene rubber (NBR) with sheet steel reinforcement. There is a very narrow clearance between the seal and the i-race, which prevents contact between the two components. This allows bearings with low-friction seals to be used at high speeds in the same manner as bearings with Z-seals, although the former offer better sealing performance.

Bearing with contact seals 2RS, LLU:

Contact seals are made from nitrile butadiene rubber (NBR) with sheet steel reinforcement. The seals are fitted in the recesses of the o-race. In contrast to the low-friction seal, the contact seal makes contact with the i-race. The contact seal prevents the ingress of any dust or moisture into the bearing.

Characteristics

Series: 68
Type: 601
Execution: Single row
Material: Stainless steel
Sealing: Closure on both sides
With flange: Yes

Application

- Recommended in: Food & Beverages

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Flange thickness mm	Article
F 681 X 2Z VA	1.5	4	2	CN (normal)	Stainless steel	0.6	12478397
F 601 X 2Z VA	1.5	6	3	CN (normal)	Stainless steel	0.6	12478361
F 682 2Z VA	2	5	2.3	CN (normal)	Stainless steel	0.6	11833454
MF 52 2Z VA	2	5	2.5	CN (normal)	Stainless steel	0.6	12478476

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Flange thickness mm	Article
F 692 2Z VA	2	6	3	CN (normal)	Stainless steel	0.8	12478430
MF 72 2Z VA	2	7	3	CN (normal)	Stainless steel	0.6	12478483
F 682 X 2Z VA	2.5	6	2.6	CN (normal)	Stainless steel	0.8	12478404
F 692 X 2Z VA	2.5	7	3.5	CN (normal)	Stainless steel	0.9	12478434
F 602 X 2Z VA	2.5	8	4	CN (normal)	Stainless steel	0.9	12478366
MF 63 2Z VA	3	6	2.5	CN (normal)	Stainless steel	0.6	12478480
F 683 2Z VA	3	7	3	CN (normal)	Stainless steel	0.8	11833455
F 693 2Z VA	3	8	4	CN (normal)	Stainless steel	0.9	12184898
MF 93 2Z VA	3	9	4	CN (normal)	Stainless steel	0.8	12478501
F 603 2Z VA	3	9	5	CN (normal)	Stainless steel	1	12478369
F 623 2Z VA	3	10	4	CN (normal)	Stainless steel	1	12478384
MF 74 2Z VA	4	7	2.5	CN (normal)	Stainless steel	0.6	12478487
MF 84 2Z VA	4	8	3	CN (normal)	Stainless steel	0.6	12478494
F 684 2Z VA	4	9	4	CN (normal)	Stainless steel	1	12478410
MF 104 2Z VA	4	10	4	CN (normal)	Stainless steel	0.8	12478453
F 694 2Z VA	4	11	4	CN (normal)	Stainless steel	1	11833474
F 604 2Z VA	4	12	4	CN (normal)	Stainless steel	1	12478372
F 624 2Z VA	4	13	5	CN (normal)	Stainless steel	1	12478386
MF 85 2Z VA	5	8	2.5	CN (normal)	Stainless steel	0.6	12478497
MF 95 2Z VA	5	9	3	CN (normal)	Stainless steel	0.6	12478504
F 685 2Z VA	5	11	5	CN (normal)	Stainless steel	1	11833457
F 695 2Z VA	5	13	4	CN (normal)	Stainless steel	1	11833475
F 605 2Z VA	5	14	5	CN (normal)	Stainless steel	1	11833415
F 625 2Z VA	5	16	5	CN (normal)	Stainless steel	1	12478389
F 625 2RS VA	5	16	5	CN (normal)	Stainless steel	1	12478388
MF 106 2Z	6	10	3	CN (normal)	Stainless steel	0.6	11834769
MF 106 2Z VA	6	10	3	CN (normal)	Stainless steel	0.6	12478455
MF 126 2Z VA	6	12	4	CN (normal)	Stainless steel	0.8	12478463
F 686 2Z VA	6	13	5	CN (normal)	Stainless steel	1.1	11833459
F 686 2RS VA	6	13	5	CN (normal)	Stainless steel	1.1	12478415
F 696 2Z VA	6	15	5	CN (normal)	Stainless steel	1.2	12478442
F 696 2RS VA	6	15	5	CN (normal)	Stainless steel	1.2	13550107
F 606 2Z VA	6	17	6	CN (normal)	Stainless steel	1.2	12478375
F 626 2Z VA	6	19	6	CN (normal)	Stainless steel	1.5	12478391
MF 117 2Z VA	7	11	3	CN (normal)	Stainless steel	0.6	12478460
MF 137 2Z VA	7	13	4	CN (normal)	Stainless steel	0.6	12478470
F 687 2Z VA	7	14	5	CN (normal)	Stainless steel	1.1	11833461
F 697 2Z VA	7	17	5	CN (normal)	Stainless steel	1.2	12478445
F 607 2Z VA	7	19	6	CN (normal)	Stainless steel	1.5	12478378
F 607 2RS VA	7	19	6	CN (normal)	Stainless steel	1.5	12478376
MF 128 2Z VA	8	12	3.5	CN (normal)	Stainless steel	0.8	12478466
MF 148 2Z VA	8	14	4	CN (normal)	Stainless steel	0.8	12478473
F 688 2Z VA	8	16	5	CN (normal)	Stainless steel	1.1	11833471
F 688 2RS VA	8	16	5	CN (normal)	Stainless steel	1.1	12478421
F 698 2Z VA	8	19	6	CN (normal)	Stainless steel	1.5	12478449
F 698 2RS VA	8	22	6	CN (normal)	Stainless steel	1.5	12478448
F 608 2Z VA	8	22	7	CN (normal)	Stainless steel	1.5	12478381
F 608 2RS VA	8	22	7	CN (normal)	Stainless steel	1.5	12478380
F 689 2Z VA	9	17	5	CN (normal)	Stainless steel	1.1	12478425

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